

## ABSTRACT

## WIRELESS TERMINAL

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A wireless terminal a transceiver coupled to an antenna feed and a ground conductor (502), the antenna feed being coupled directly to the ground conductor (502). In one embodiment the ground conductor is a conducting case (902). The coupling is via a parallel plate capacitor formed by a  
10 respective plate (506) and a portion of the surface of the case (502). The case (502) acts as an efficient, wideband radiator, eliminating the need for separate antennas. Slots (912, 1214) perform a matching function, eliminating the need for matching between the transceiver and antenna feed.

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(Figure 12)